

Title (en)

RADIATION IMAGE CONVERSION PANEL AND METHOD FOR PRODUCING SAME

Title (de)

STRAHLUNGSBILDUMWANDLUNGSTAFEL UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

PANNEAU DE CONVERSION D'IMAGES DE RAYONNEMENT ET PROCÉDÉ POUR SA PRODUCTION

Publication

**EP 2407978 A4 20140723 (EN)**

Application

**EP 10750872 A 20100310**

Priority

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- JP 2009060911 A 20090313

Abstract (en)

[origin: EP2407978A1] In a radiation image conversion panel (10), a radiation conversion layer (2) for converting an incident radiation into light is formed on a substrate (1). The radiation conversion layer (2) has a reflective layer (3), on a side opposite from a light exit surface (2a) for emitting the light, for reflecting the light to the exit surface (2a) side, while the reflective layer (3) has a helical structure comprising helically stacked phosphor crystals. Thus constructed radiation image conversion panel (10) can enhance the reflectance without forming a reflective layer made of a thin metal film or the like and exhibit a reflectance higher than that in the case where the reflective layer is formed by spherical crystal particles.

IPC 8 full level

**G21K 4/00** (2006.01); **C09K 11/00** (2006.01); **C09K 11/61** (2006.01); **C23C 14/22** (2006.01); **C23C 14/24** (2006.01); **C23C 14/50** (2006.01)

CPC (source: EP KR US)

**C09K 11/00** (2013.01 - KR); **C09K 11/61** (2013.01 - KR); **C23C 14/226** (2013.01 - EP US); **C23C 14/24** (2013.01 - KR); **C23C 14/505** (2013.01 - EP US); **G21K 4/00** (2013.01 - EP KR US); **G21K 2004/06** (2013.01 - EP US)

Citation (search report)

- [A] DE 764195 C 19540405 - SIEMENS REINIGER WERKE AG
- [A] US 2007205380 A1 20070906 - ISODA YUJI [JP]
- [A] US 2008006780 A1 20080110 - ISODA YUJI [JP]
- See also references of WO 2010104119A1

Cited by

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DOCDB simple family (publication)

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DOCDB simple family (application)

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